INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/32964

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H 04Q 7/00; H04J 3/16. US CL : 370/328, 338, 465, 466, 469.		
US CL: 370/328, 338, 465, 466, 469. According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/328, 338, 465, 466, 469.		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST: SNS, DHCP, TDL.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.
,	US 6,101543 (Alden et al) 08 August 2000 (08.08.2000), figure 14, column 6, lines 5-60,	
Column 9, lines 25-60. X, P US 6,681,259 B1 (Lemilainen et al) 20 January 2 column 12, lines 20-55.	US 6,681,259 B1 (Lemilainen et al) 20 January 2004 (20.01.2004), figures 1 and 7,	
Further documents are listed in the continuation of Box C.		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to b of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent published on or after the international filling date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken along	ered to involve an inventive
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		p when the document is h documents, such combination
O document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the	"&" document member of the same patent	family
Date of the actual completion of the international search	Date of mailing of the international search report 0.2 MAY 2005	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Truen D Tran Tetephone No. (703) 308-4388	t-file

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